

FIG. 1

100 (0)	$Y_0 Cr_0 Cb_0$	Y_1	$Y_2 Cr_1 Cb_1$	Y_3	$Y_4 Cr_2 Cb_2$	Y_5	\dots	$Y_{x-1} Cr_{(x-1)/2} Cb_{(x-1)/2}$	Y_x
100 (1)	$Y_0 Cr_0 Cb_0$	Y_1	$Y_2 Cr_1 Cb_1$	Y_3	$Y_4 Cr_2 Cb_2$	Y_5	\dots	$Y_{x-1} Cr_{(x-1)/2} Cb_{(x-1)/2}$	Y_x
100 (2)	$Y_0 Cr_0 Cb_0$	Y_1	$Y_2 Cr_1 Cb_1$	Y_3	$Y_4 Cr_2 Cb_2$	Y_5	\dots	$Y_{x-1} Cr_{(x-1)/2} Cb_{(x-1)/2}$	Y_x
100 (3)	$Y_0 Cr_0 Cb_0$	Y_1	$Y_2 Cr_1 Cb_1$	Y_3	$Y_4 Cr_2 Cb_2$	Y_5	\dots	$Y_{x-1} Cr_{(x-1)/2} Cb_{(x-1)/2}$	Y_x
\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots
100 (N)	$Y_0 Cr_0 Cb_0$	Y_1	$Y_2 Cr_1 Cb_1$	Y_3	$Y_4 Cr_2 Cb_2$	Y_5	\dots	$Y_{x-1} Cr_{(x-1)/2} Cb_{(x-1)/2}$	Y_x

FIGURE 2

48Y(0)	$Y_0, Y_1, Y_2, \dots, Y_{15}$
48Y(1)	$Y_{16}, Y_{17}, Y_{18}, \dots, Y_{31}$
\vdots	\vdots
48Y(i)	$Y_{16i}, Y_{16i+1}, Y_{16i+2}, \dots, Y_{16i+15}$
\vdots	\vdots

48Y

48C(0)	$Cr_0 Cb_0, Cr_1 Cb_1, \dots, Cr_7 Cb_7$
48C(0)	$Cr_8 Cb_8, Cr_9 Cb_9, \dots, Cr_{15} Cb_{15}$
\vdots	\vdots
48C(i)	$Cr_{8i} Cb_{8i}, Cr_{8i+1} Cb_{8i+1}, \dots, Cr_{8i+7} Cb_{8i+7}$
\vdots	\vdots

48C

FIGURE 3A

$$U_i \Rightarrow [Y_{2i} C r_i C b_i \quad Y_{2i+1}]$$

48(0)	U ₀ , U ₁ , U ₂ , U ₃
48(1)	U ₄ , U ₅ , U ₆ , U ₇
48(2)	U ₈ , U ₉ , U ₁₀ , U ₁₁
:	
48(i)	U _{4i} , U _{4i+1} , U _{4i+2} , U _{4i+3}

FIGURE 3B

48Y(0)	Y ₀ , Y ₁ , Y ₂ , ..., Y ₁₅
48Y(1)	Y ₁₆ , Y ₁₇ , Y ₁₈ , ..., Y ₃₁
:	
48Y(i)	Y _{16i} , Y _{16i+1} , Y _{16i+2} , ..., Y _{16i+15}
:	

48Y

48R(0)	Cr, Cr, ..., Cr
:	
48R(i)	Cr, Cr, ..., Cr
:	

48CR

48R(0)	Cr, Cr, ..., Cr
:	
48R(i)	Cr, Cr, ..., Cr
:	

48CB

FIGURE 3C

b_{0...7}	b_{8...15}	B_{16...23}	b_{24...31}	b_{32...39}	b_{40...47}	b_{48...55}	b_{56...63}	b_{64...71}	b_{72...79}	b_{80...87}	b_{88...95}	b_{96...103}	b_{104...111}	b_{112...119}	b_{120...127}
Cb	Y₀	Cr	Y₁	Cb	Y₀	Cr	Y₁	Cb	Y₀	Cr	Y₁	Cb	Y₀	Cr	Y₁
U_{4i}				U_{4i+1}				U_{4i+2}			U_{4i+3}				

FIGURE 4A

b_{127...120}	b_{119...112}	b_{111...104}	b_{103...96}	b_{95...88}	b_{87...80}	b_{79...72}	b_{71...64}	b_{63...56}	b_{55...48}	b_{47...40}	b_{39...32}	b_{31...24}	b_{23...16}	b_{15...8}	b_{7...0}
Cb	Y₀	Cr	Y₁	Cb	Y₀	Cr	Y₁	Cb	Y₀	Cr	Y₁	Cb	Y₀	Cr	Y₁
U_{4i}				U_{4i+1}			U_{4i+2}			U_{4i+3}					

FIGURE 4B

$b_{0\dots 7}$	$b_{8\dots 15}$	$b_{16\dots 23}$	$b_{24\dots 31}$	$b_{32\dots 39}$	$b_{40\dots 47}$	$b_{48\dots 55}$	$b_{56\dots 63}$	$b_{64\dots 71}$	$b_{72\dots 79}$	$b_{80\dots 87}$	$b_{88\dots 95}$	$b_{96\dots 103}$	$b_{104\dots 111}$	$b_{112\dots 119}$	$b_{120\dots 127}$
Y_{16i}	Y_{16i+1}	Y_{16i+2}	Y_{16i+3}	Y_{16i+4}	Y_{16i+5}	Y_{16i+6}	Y_{16i+7}	Y_{16i+8}	Y_{16i+9}	Y_{16i+10}	Y_{16i+11}	Y_{16i+12}	Y_{16i+13}	Y_{16i+14}	Y_{16i+15}
U_{4i}				U_{4i+1}				U_{4i+2}				U_{4i+3}			

FIGURE 5

FIG. 6

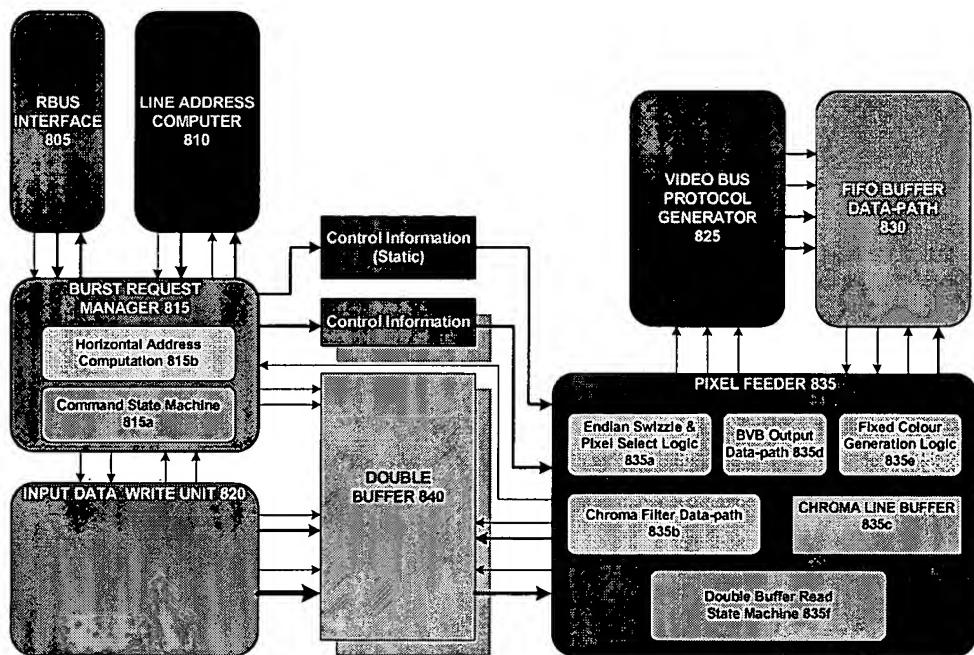
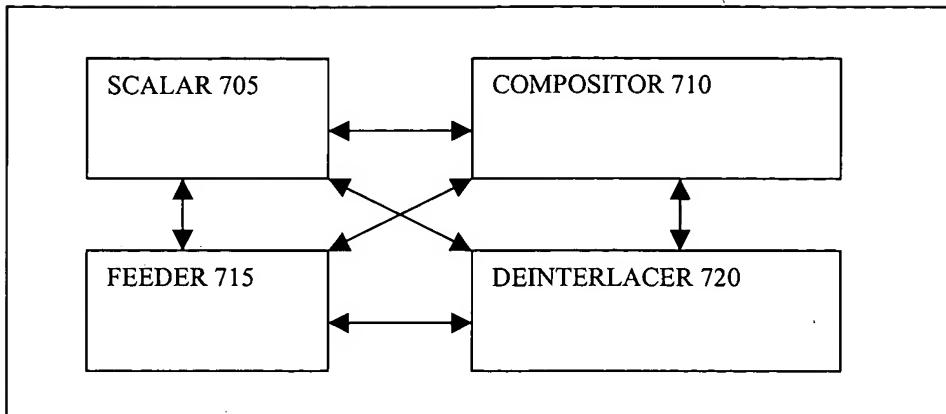


FIGURE 7

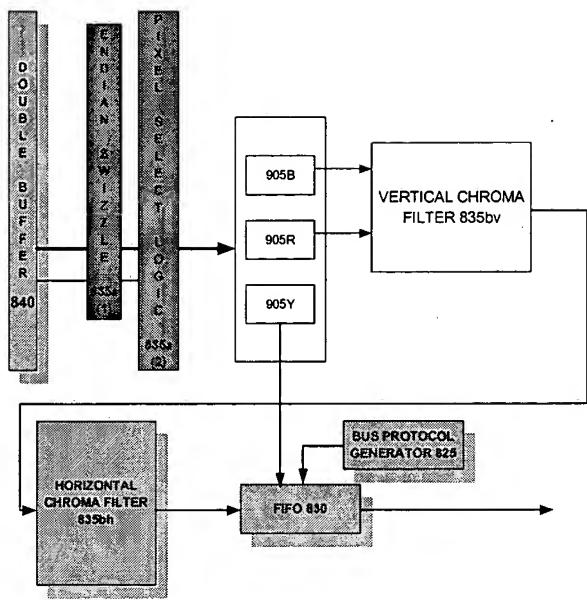
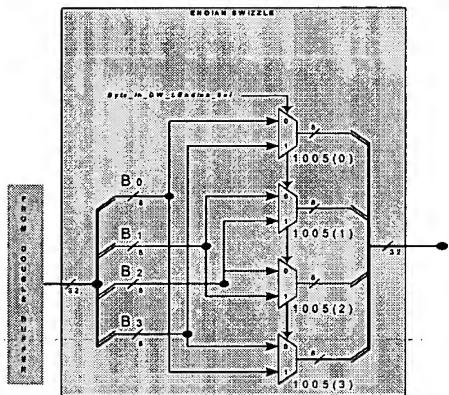
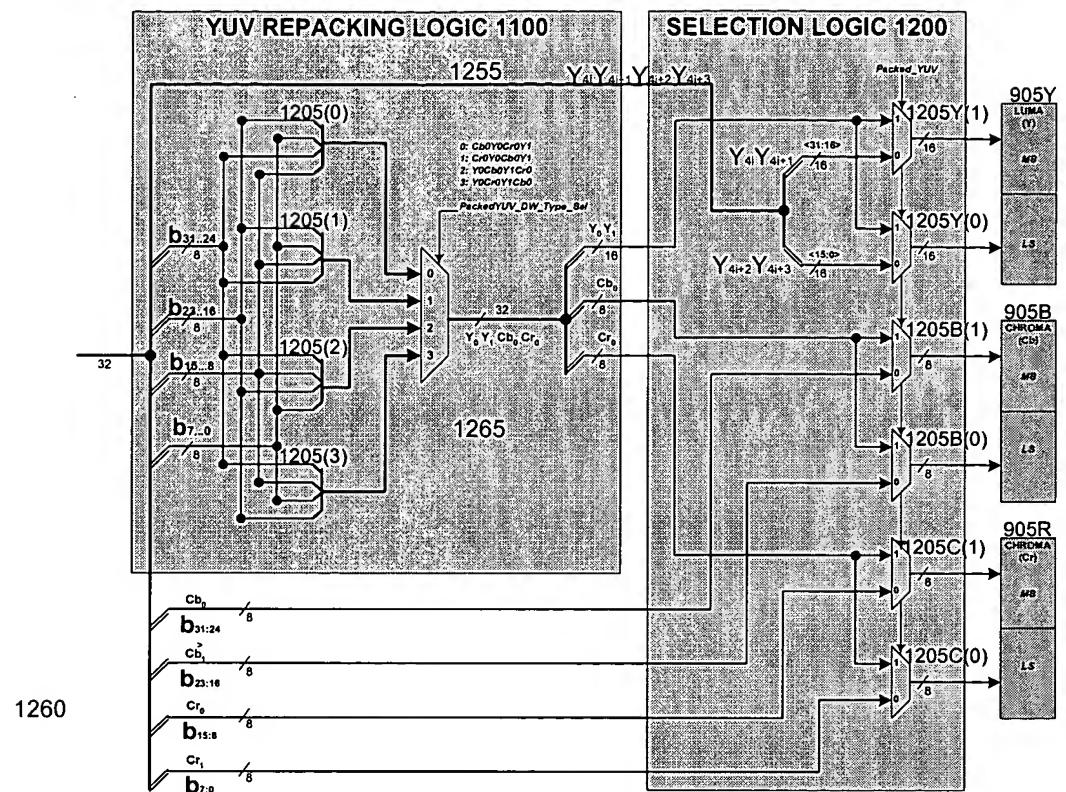


FIGURE 8



Endian Swizzle 835a(1)

FIGURE 9



PIXEL SELECTION LOGIC

FIGURE 10